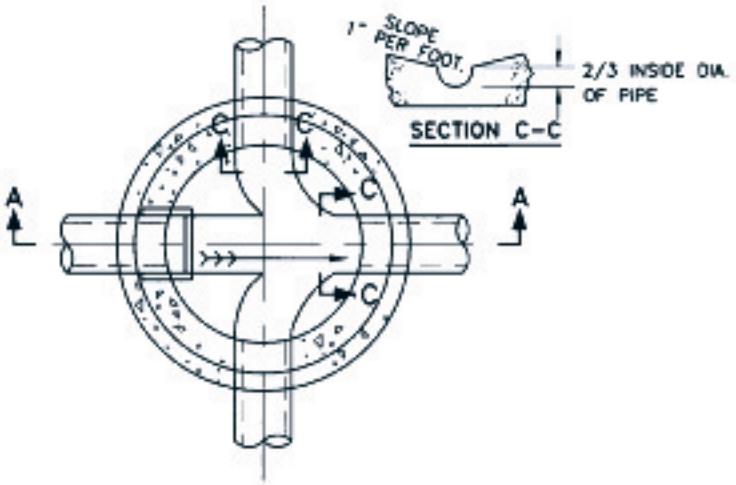
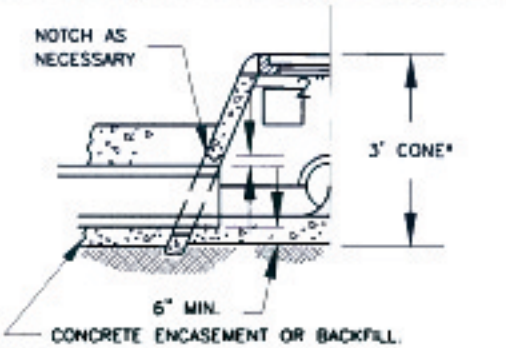


SECTION B-B

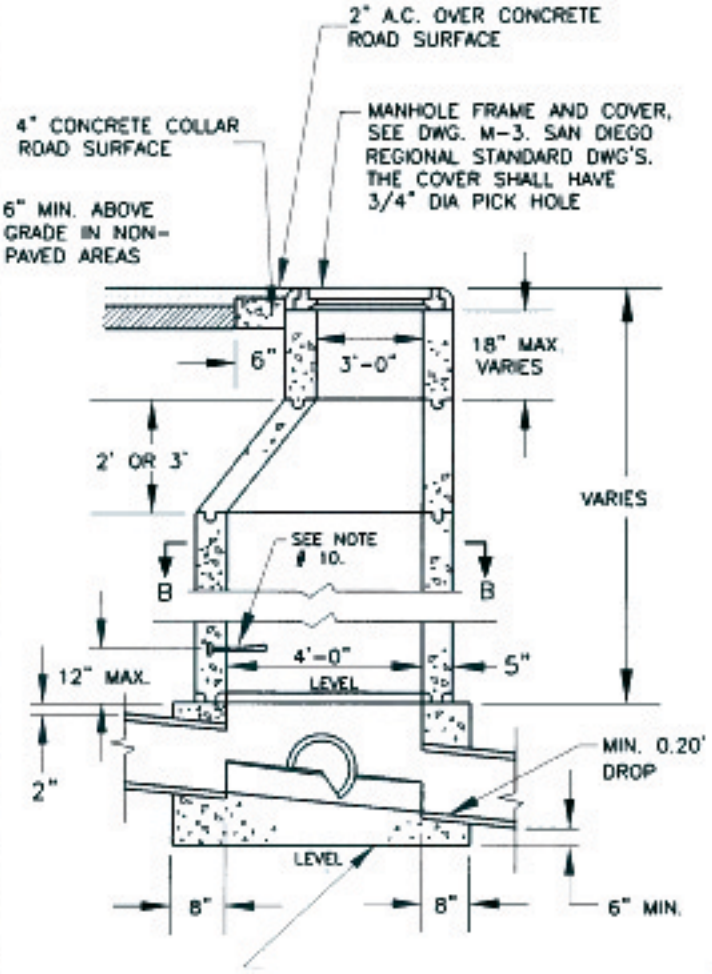


HALF SECTION SHALLOW MANHOLE

* ECCENTRIC CONE SHALL BE USED.

STD. STEP (2) (3)

MANHOLE STEP DETAILS



SECTION A-A

NOTES

1. MANHOLE FRAME AND ALL JOINTS SHALL BE SET IN CLASS "C" MORTAR, 3/8" THICK, NEATLY STRUCK AND POINTED OR PREFORMED COLD-APPLIED READY-TO-USE PLASTIC JOINT SEALING COMPOUND AND PRIMER. (ALSO SEE NOTE 6 BELOW)
2. ALL PRECAST COMPONENTS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM C-478
3. VERTICAL WALL OF CONE SHALL BE ON THE DOWNSTREAM SIDE OF THE MANHOLE.
4. CONCRETE BASE SHALL BE 564-C-3000.
5. APPROVED WATERSTOP REQUIRED FOR PLASTIC PIPE CONNECTIONS.
6. WHEN MANHOLE IS IN GROUND WATER OR IN THE DRAINAGE PATH USE APPROVED EPOXY MORTAR AT JOINTS.
7. INTERIOR OF THE MANHOLE SHALL BE COATED WITH SANCON 100 OR ZEBRON.
8. RUBBER RINGS, WATERPROOF LIDS IN AREAS SUBJECT TO FLOODING.
9. LOCKING LIDS IN EASEMENTS.
10. MANHOLE STEP SHALL BE CAST IN PLACE AND ORIENTED (2) 180° FROM MANHOLE OUTLET.

(3) BOTTOM STEP TO BE USED AS CLEANING HOOK AND SHALL BE PLACED 6" MIN. AND 12" MAX. FROM TOP SHELF.

Revision	By	Approved	Date
04/15/01	kal		
10/22/02	DW		
09/22/10	DW		

CITY OF OCEANSIDE

MANHOLE- 4' DIAMETER (FOR 21" MAX. DIA. PIPE)

12-1-10
CITY ENGINEER Date

STANDARD DRAWING NO. S-5